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APPLICATION FOR UNITED STATES PATENT

Declaration and Power of Attorney

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name; that I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, on the invention entitled as set forth below, which is described in the attached specification; that I have reviewed and understand the contents of such specification, including the claims; that no application for patent or inventor's certificate on this invention has been filed by me or my legal representatives or assigns in any country foreign to the United States of America; and that I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, section 1.56(a).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

TITLE OF INVENTION: FRAME MEMORY CIRCUIT

I hereby appoint the following attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Melvin Sharp, Reg. No. 20,556  
Rhys Merrett, Reg. No. 27,250  
Richard Donaldson, Reg. No. 25,673  
Leo N. Heiting, Reg. No. 26,906  
Carlton H. Hoel, Reg. No. 29,934  
Kenneth C. Hill, Reg. No. 29,650  
Fred Telecky, Reg. No. 29,979  
Thomas W. DeMond, Reg. No. 28,067

Please send correspondence to: Leo Heiting, Esq.

Texas Instruments Incorporated  
P.O. Box 655474, M/S 219  
Dallas, Texas 75265

and direct telephone calls to:

(214) 995-5491

Name of Inventor: Masashi Hashimoto  
Residence & P.O.: 2350 Kihara, Miho-Mura, Inashiki-Gun,  
Ibaraki-Ken, Japan  
Citizenship: Japan

Signature of Inventor: \_\_\_\_\_  
Date: \_\_\_\_\_

Name of Inventor: Gene A. Frantz  
Residence & P.O.: 2027 Point Clear Ct.,  
Missouri City, Fort Bend County, TX 77459  
Citizenship: United States of America

Signature of Inventor: \_\_\_\_\_  
Date: \_\_\_\_\_

Name of Inventor: John Victor Moravec  
Residence & P.O.: 212 Hinricher Drive,  
Willow Springs, Cook County, IL 60480  
Citizenship: United States of America

Signature of Inventor: \_\_\_\_\_  
Date: \_\_\_\_\_

Name of Inventor: Jean-Pierre Dolait  
Residence & P.O.: 511 Goodwin Drive,  
Richardson, Dallas County, TX 75031  
Citizenship: France

Signature of Inventor: \_\_\_\_\_  
Date: \_\_\_\_\_

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Masashi Hashimoto et al  
Serial No.: 137,305

Group:

Filed: December 23, 1987  
For: FRAME MEMORY CIRCUIT

## DECLARATION NOT ACCOMPANYING APPLICATION

As a below named inventor, I declare that my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor if only one name is listed below, or an original, first and joint inventor if plural inventors are named below, of the subject matter which is claimed and for which a patent is sought on the invention entitled as set forth below, which is described and claimed in U.S. Patent Application S.N. 137,305, filed December 23, 1987; that I have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration; that no application for patent or inventor's certificate on this invention has been filed by me or my legal representatives or assigns in any country foreign to the United States of America prior to the filing date of said application; and that I acknowledge my duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, section 1.56(a).

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 N. Rhys Merrett, Reg. No. 27,250  
 Richard L. Donaldson, Reg. No. 25,673  
 Leo J. Heiting, Reg. No. 26,906

Carlton H. Eoel, Reg. No. 29,934  
 Kenneth C. Hill, Reg. No. 29,650  
 Douglas A. Sorensen, Reg. No. 31,570  
 Theodore D. Lindgren, Reg. No. 26,295

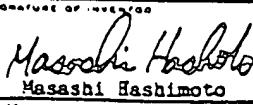
## SEND CORRESPONDENCE TO:

Thomas W. DeMond  
 Texas Instruments Incorporated  
 P.O. Box 655474, M/S 219  
 Dallas, Texas 75265

DIRECT TELEPHONE CALLS TO:  
 (name and telephone number)  
 Thomas W. DeMond  
 (214) 995-1347

FULL NAME OF INVENTOR	LAST NAME Hashimoto	FIRST NAME Masashi	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY Garland	STATE OR FOREIGN COUNTRY Texas	COUNTRY OF CITIZENSHIP Japan	
POST OFFICE ADDRESS	POST OFFICE ADDRESS 6101 Galaxie Rd.	CITY Garland	STATE OR COUNTRY Texas	ZIP CODE 75042
FULL NAME OF INVENTOR	LAST NAME —	FIRST NAME	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE
FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE

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SIGNATURE OF INVENTOR	SIGNATURE OF INVENTOR	SIGNATURE OF INVENTOR
 Masashi Hashimoto		
DATE June 14, 1988	DATE	DATE

## IN THE UNITED STATES PATENT &amp; TRADEMARK OFFICE

In re the Application of  
 Masashi Hashimoto et al  
 Serial No.: 137,305  
 Filed: December 23, 1987  
 For: FRAME MEMORY CIRCUIT

Group:

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 Douglas A. Sorensen, Reg. No. 31,570  
 Theodore D. Lindgren, Reg. No. 26,295

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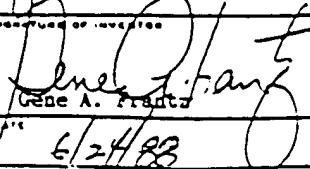
Thomas W. DeMond  
 Texas Instruments Incorporated  
 P.O. Box 655474, M/S 219  
 Dallas, Texas 75265

## DIRECT TELEPHONE CALLS TO:

Name and telephone number  
 Thomas W. DeMond  
 (214) 995-1347

FULL NAME OF INVENTOR	LAST NAME Frantz	FIRST NAME Gene	MIDDLE NAME A.	
RESIDENCE & CITIZENSHIP	CITY Missouri City	STATE OR FOREIGN COUNTRY Texas	COUNTRY OF CITIZENSHIP U.S.A.	
POST OFFICE ADDRESS	2027 Point Clear Ct.	CITY Missouri City	STATE OR COUNTRY Texas	ZIP CODE 77459
FULL NAME OF INVENTOR	LAST NAME —	FIRST NAME	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE
FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE

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SIGNATURE OF INVENTOR	NAME OF INVENTOR	SIGNATURE OF INVENTOR
	Gene A. Frantz	
DATE 6/24/88	DATE 24/6	DATE 24/6

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In re the Application of  
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 Serial No.: 137,305  
 Filed: December 23, 1987  
 For: FRAME MEMORY CIRCUIT

Group:

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 Douglas A. Sorensen, Reg. No. 31,570  
 Theodore D. Lindgren, Reg. No. 26,295

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 Texas Instruments Incorporated  
 P.O. Box 655474, M/S 219  
 Dallas, Texas 75265

## DIRECT TELEPHONE CALLS TO:

(name and telephone number)  
 Thomas W. DeMond  
 (214) 995-1347

FULL NAME OF INVENTOR	LAST NAME Moravec	FIRST NAME John	MIDDLE NAME Victor	
RESIDENCE & CITIZENSHIP	CITY Willow Springs	STATE OR FOREIGN COUNTRY Illinois	COUNTRY OF CITIZENSHIP U.S.A.	
POST OFFICE ADDRESS	212 Hinricher Drive	CITY Willow Springs	STATE OR COUNTRY Illinois	ZIP CODE 60480
FULL NAME OF INVENTOR	LAST NAME —	FIRST NAME	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE
FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE

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SIGNATURE OF INVENTOR <i>John Victor Moravec</i> John Victor Moravec	SIGNATURE OF INVENTOR	SIGNATURE OF INVENTOR
DATE <i>June 22, 1988</i>	DATE	DATE

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of  
**Masashi Hashimoto et al**  
 Serial No.: 137,305  
 Filed: December 23, 1987  
 For: FRAME MEMORY CIRCUIT

Group:

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 Leo J. Heiting, Reg. No. 26,906

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 Theodore D. Lindgren, Reg. No. 26,295

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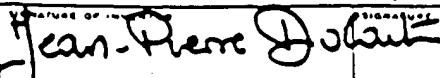
Thomas W. DeMond  
 Texas Instruments Incorporated  
 P.O. Box 655474, M/S 219  
 Dallas, Texas 75265

## DIRECT TELEPHONE CALLS TO:

(Name and telephone number)  
 Thomas W. DeMond  
 (214) 995-1347

FULL NAME OF INVENTOR	LAST NAME Dolait	FIRST NAME Jean-Pierre	MIDDLE NAME
RESIDENCE & CITIZENSHIP	CITY 06270 Villeneuve-Loubet	STATE OR FOREIGN COUNTRY France	COUNTRY OF CITIZENSHIP France
POST OFFICE ADDRESS	POST OFFICE ADDRESS 18, Domaine De Saint Andrieu 06270 Villeneuve-Loubet	CITY	STATE OR COUNTRY France
FULL NAME OF INVENTOR	LAST NAME —	FIRST NAME	MIDDLE NAME
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY
FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
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SIGNATURE OF INVENTOR	SIGNATURE OF ATTORNEY
 Jean-Pierre Dolait	
DATE June 22, 1988	DATE